

LERMAN, G.M.; KORNEYEV, V.A.; STOYANCVA, T.K.

| Spectral method for determining impurities in cobalt oxide
| Zav.lab. 27 no.7:838-839 '61. (MIRA 14:7)
| (Cobalt oxide--Spectra)

Lerman, Ivanka, inz.; SULC, Delimir, dr; MILOSTIC, Ivo, inz.

Influence of some pectolytic preparations on the degradation of
pectins, and the depectination and clarification of apple juice.
Kem ind 12 no.3:122-128 Mr '63.

1. Tehnoloski fakultet, Zagreb, Tvornica "Jedinstvo", Zagreb.

LERNMAN, I.A.
CA

11/18

The influence of chloroform and hypnotics of the barbituric acid group on the quantity of reduced glutathione in the blood. N. A. Gubareva and I. A. Lernman. *J. Physiol. U.S.S.R.* 22, 920 (in French) (1937). Chloroform narcosis results in an increase in blood glutathione in dogs. Barbital, phenobarbital and medianal gave variable results. S. A. Karjala

650-314 METALLURGICAL LITERATURE CLASSIFICATION

LERMAN, I.A.

"To the Question of the Effect on the Carbohydrate Metabolism of the Toxins which Act
on the Central Nervous System,"

Farmakol. i Toksikol., 5, No. 5, 1942. Prof., Ch., Chair of Pharmacology, Bashkir
Medical Inst., -1942-.

LEHRMAN, I. A.

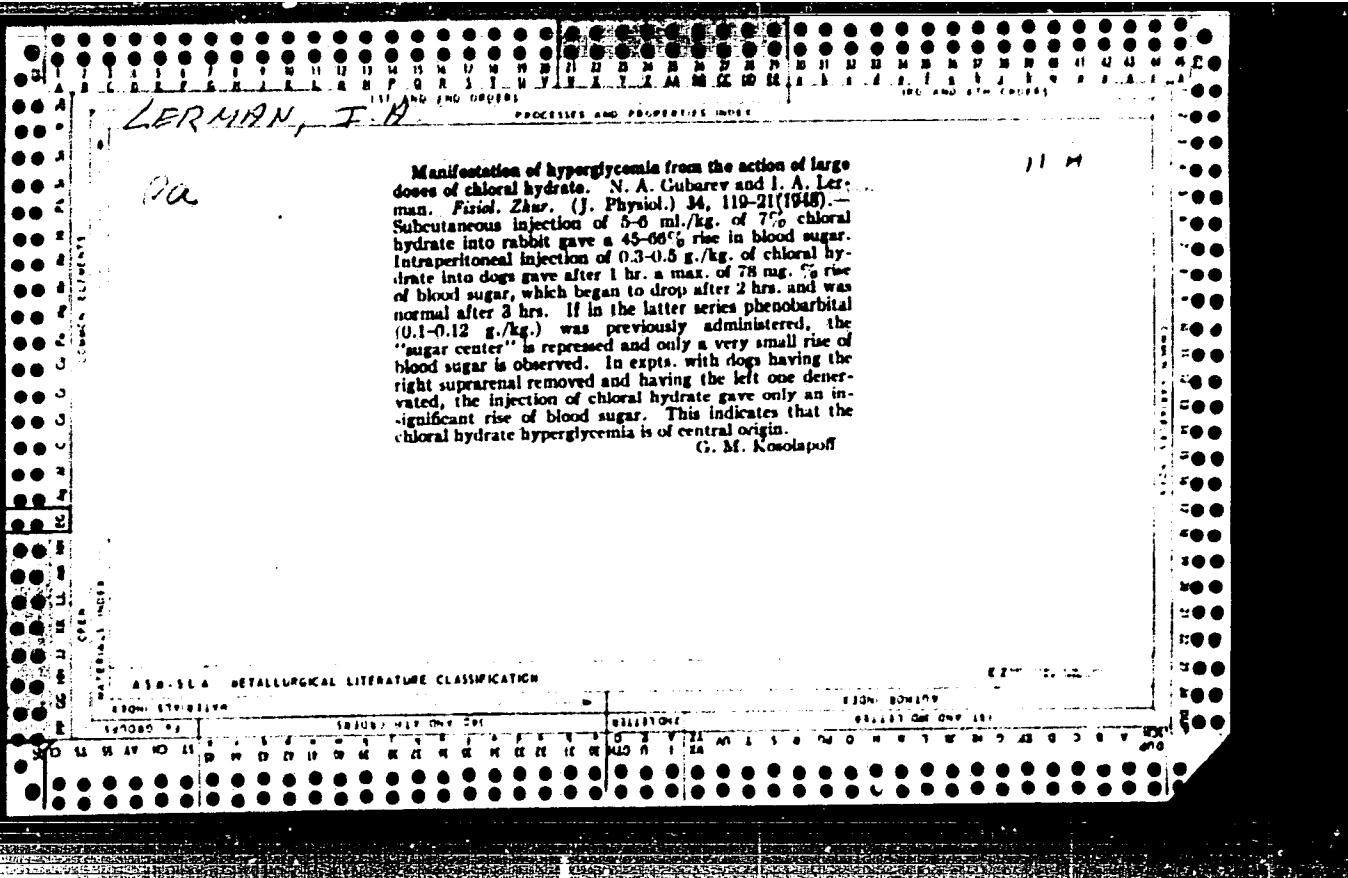
Origin of hyperglycemia under action of substances stimulating the central nervous system. *Hyd. Ekip. Biol. Med.* 17, No. 6, 23-50 (1944). — The method used consisted of the preliminary introduction of barbiturates in order to elucidate the origin of hyperglycemia under the influence of poisons stimulating the central nervous system. Injections of strichnine, caffeine, and picrotoxin were given to dogs; in some cases during phenobarbital narcosis. A preliminary introduction of phenobarbital causes the disappearance of hyperglycemia brought on by strichnine, caffeine, and picrotoxin, making it possible to assume that hyperglycemia is stimulated by poisons and the decrease of sugar in the blood developed under the action of substances stimulating the central nervous system, does not depend on convolution of the supraorbital gland as absent in dogs in which it was removed, although convulsions and other symptoms developing with picrotoxin are evident. S. G. Machielson

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ABR-SLA METALLURGICAL LITERATURE CLASSIFICATION

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CIA-RDP86-00513R000929320014-1"



LEHRMAN, I. A.

"Nikolay Pavlovich Kravkov and His Role in the Development of Soviet Pharmacology," Klin.
Med., 27, No. 5, 1949. Prof., Honored Worker of Science, Ufa, -cl94j-.

LERMAN, I.A.

[Handbook on general prescription writing] Rukovodstvo po obshchei
retsepture. Moskva, Medgiz, 1956. 114 p. (MLRA 9:11)
(PRESCRIPTION WRITING)

PIERRE, R.E., Turner Standard; FTS, A.M., Standard; LHMH, L., etc. etc.

Planning the organization of the April 1968 CIA Black Committee
Meeting. Promotional. 4 pg. 784-3 105.

(MTRA 1842)

LERMAN, I.I.; BALABUKHA, A.S.

Cough-cerebral syndrome. Vrach.delo no.7:751 J1 '59. (MIRA 12:12)

1. Statsionarnoye otdeleniye (zav. - A.S. Balabukha, konsul'tant po
nevropatologii - kand.med.nauk I.I. Lerman) Zhitomirskogo oblastnogo
protivotuberkuleznogo dispansera.
(ALCOHOLISM)

FIDELEV, Aleksandr Savel'yevich, prof., doktor tekhn.nauk; MOLCHANOV,
P.V., kand.tekhn.nauk, retsenzent; PETROV, P.M., inzh.,
retsenzent; LERMAN, I.M., inzh., retsenzent; GURVICH, E.A.,
red.izd-va; EL'KINA, E.M., tekhn.red.

[Basic considerations in quarrying rocks, gravel, and sand]
Osnovnye raschety pri otkrytoi razrabotke nerudnykh stroitel'-
nykh materialov. Moskva, Gos.izd-vo lit-ry po stroit., arkhit.
i stroit.materialam, 1960. 171 p. (MIRA 14:6)

1. Institut Gipronemetrud (for Petrov, Lerman).
(Stone, Crushed) (Sand and gravel industry)

BERNSHTEYN, B.Ya., inzh.; VALYUZHINICH, V.Ya., inzh.; GDALIN, A.D.,
inzh.; GOLOVKO, V.A., inzh.; GOLUBEVA, N.V., inzh.;
GUREVICH, V.G., inzh.; KOROVIN, N.I., inzh.; KURDOW, V.G.,
inzh.; LERMAN, I.M., inzh.; MITYASHIN, M.L., inzh.;
OGANESOV, N.G., inzh.; OKUNEV, N.A., inzh.; TURZHITSKIY,
V.I., inzh.; YUFIT, B.P., inzh.; SHELVAKH, V.F., inzh.

[Manual on the quarrying and processing of rock building
materials] Spravochnik po dobache i pererabotke nerudnykh
stroitel'nykh materialov. Leningrad, Stroizdat, 1965.
(MIRA 18:2)
520 p.

1. Vsesoyuznyy gosudarstvennyy institut po proyektnym i
nauchno-issledovatel'skim rabotam promyshlennosti nerud-
nykh stroitel'nykh materialov.

LERMAN, L.

Lerman, L. "The topo-diagnostic significance of the new digital phenomenon",
Sbornik rabot Studench. nauch. o-va Khar'k. med. in-ta, No. 8, 1949, p. 97-103.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

LERMAN, L.; LEVITIN, Ya.

Methane for service to man. Mast.ugl. 7 no.4:26-27 Ap '58.
(Methane) (MIRA 11:4)

LEVITIN, Ya.; LERMAN, L.

Miners' committee president. Mast. ugl. 7 no. 5:11-13 My '58.
(MIRA 11:7)
(Mine management)

LERMAN, L.; LEVITIN, Ya.

Technical councils in mines. Mast. ugl. 7 no. 7:17 J1 '58.
(MIRA 11:8)
(Coal mines and mining)

LEVITIN, Ya.; LERMAN, L.

Ionized air. Mast. ugl. 7 no.8:20 Ag '58.
(Air, Ionized--Therapeutic use)
(Karaganda--Coal miners--Diseases and hygiene)

(MIRA 11:9)

LERMAN, L.;LEVITIN, Ya.

With a Communist Youth Leagues pass. Mast. ugl. 7 no.10:25-26. O '58.
(Karaganda--Coal mines and mining) (MIRA 11:11)

AUTHOR: Levitin, Ya., Lerman, L. SOV-25-58-1C-16/16

TITLE: Scientists for the Sovnarkhoz (Uchenyye - sovnarkhozu)

PERIODICAL: Nauka i zhizn', 1958, Nr 10, pp 29 - 32 (USSR)

ABSTRACT: The author describes the activities of scientists of the Karaganda Sovnarkhoz in the Kazakhstan SSR. New independent scientific institutions ("Giprouglegormash" and Giprosvetmet") have been founded and the Kazakhstan Academy of Sciences will open a new branch in Karaganda which will include an institute of mining and energetics. Academicians of the USSR Academy of Sciences A.A. Skochinskiy, A.M. Terpigorev, L.D. Shevyakov and Member-correspondents of the USSR Academy of Sciences A.A. Spivakovskiy and N.V. Mel'nikov helped to solve actual problems in the development of mining districts of Central Kazakhstan. Plans have been made to achieve an output of 30 - 40 million tons of coal in Ekibastuz - the biggest coal field of Kazakhstan. Engineers D.V. Lyuboshinskiy and V.A. Brenner, Co-workers of the Karagandiski nauchno-issledovatel'skiy ugol'nyy institut Karagandinskij Scientific Research Institute of Coal) are engaged in research work to

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Scientists for the Sovnarkhoz

SOV-25-58-1C-16/18

find a means of reducing the waste of coal. Ye. I. Preobrazhenskaya and M.M. Levin developed a method for the artificial degasification of coal seams. Large copper industries have recently been founded in Central Kazakhstan - Dzhezkazganskiy i Balkhashskiy gornometallurgicheskiye kombinaty (the Dzheskazganskiy and Balkhashskiy Mining and Metallurgical Combines). Co-workers of Gosudarstvennyy nauchno-issledovatel'skiy institut tsvetnykh metallov (The State Scientific Research Institute of Non-ferrous Metals) elaborated a technology for the concentration of oxidized copper ores according to the method of Professor V.Ya. Mostovich, which is suitable for Dzhezkazgan conditions. These are only a few examples of research work being done by the Technical Economic Council of the Karaganda Sovnarkhoz which includes the following members: K.I. Satpayev, President of the Kazakhstan Academy of Sciences, P.Ye. Ryabov, A.V. Dokukin, Director of the Vsesoyuznyy ugol'nyy institut (All-Union Mining

Card 2/3

Scientists for the Sovnarkhoz

SOV-25-59-10-16/48

Institute), M.F. Voznyy, M.L. Rudakov, Professor of the Karagandinskij gornyy institut (Karaganda Mining Institute) and N.B. Skvorchevskiy, Chief Engineer of the Kounradskiy mine. There are 3 photographs.

1. Scientific personnel--USSR

Card 3/3

IERMAN, I.A.

[Prophylaxis of venereal diseases; material for lecturers] Profilaktika venericheskikh bolezney; materialy dlia lektora. Moskva, Institut sanitarnogo prosveshcheniya Ministerstva zdravookhraneniya SSSR, 1954. 31 p.
(VENERAL DISEASES)

LEHRMAN, L.A. (Moskva)

Medical workers and temperance propaganda. Sov.zdrav. 17 no.11:3-5
N°58 (MIRA 11:10)

(ALCOHOLISM, prev. & control
in Russia (Rus))

NEZLIN, Solomon Yefimovich, prof.; LERMAN, L.A., kand.med.nauk, red.;
SHTEYNBERG, L.K., tekhrad.

[Publicity on tuberculosis; manual for physicians] Protivotu-
berkuleznaiia propaganda; posobie dlja vrachei. Moskva, In-t
sanitarnogo prosv. M-va zdravookhraneniia SSSR, 1959. 119 p.
(MIRA 14:1)

(TUBERCULOSIS--PREVENTION)

IERMAN, M. (Moskva)

The output of items has almost tripled. Prom. koop. 12 no.6:8-9
Je '58. (MIRA 11:6)

1.Tekhnicheskiy rukovoditel' arteli "Trikotazhnik."
(Moscow--Infants--Clothing)

MANDEL', R.B.; LERMAN, M.D.; SEMASHIN, V.V.

Technology of the finishing of radio cabinets with alkyd-urea acid
hardened lacquers. Lakokras. mat. i ikh prim. no.3:45-46 '63.
(MIRA 16:9)

1. Yaroslavskiy lakokrasochnyy zavod "Pobeda rabochikh".
(Urea condensation products)
(Lacquer and lacquering)

LERMAN, M.D.; MANDEL', R.B.; ZHAVORONKOVA, Y.V.; PANFILOV, D.I.

Finishing furniture panels with polyester varnish in forms.

Der. prom. 13 no. 7:26-27 J1 '64.

(MIRA 17:11)

MANDEL', R.B.; LERMAN, M.D.; SEMASHIN, V.V.

"Encasing method for the finishing of panel furniture with
polyester varnishes. Lakokras. mat. i ikh prim. no.4:
(MIRA 16:10)
46-47 '63.

LERMAN, M.G.

Birth in osteosarcoma of the left innominate bone. Akush. i gin.
no.3:85-86 My-Je '54. (MLRA 7:8)

1. Iz rodil'nogo otdeleniya Kzyl-Kiyskoy gorodskoy ob'yedinennoy
bol'nitsy (glavnnyy vrach M.G.Lerman) Kirgiskoy SSR.

(PELVIS, neoplasms,

*sarcoma, osteogenic, of left innominate bone, labor in)
(SARCOMA, OSTEOGENIC,

*innominate bone, labor in)

(LABOR,

*in innominate bone osteogenic sarcoma)

BEREZOV, T.T.; LERMAN, M.I.

α -ketoglutaric and oxalacetic acids in *Escherichia coli* preparations.
Vopr. med. khim. 5 no.3:212-216 My-Je '59. (MIRA 12:7)

1. Chair of Chemistry, First Moscow Medical Institute.

(KETONE ACIDS, metabolism,

α -ketoglutaric & oxalacetic acids, transamination reaction with 2,6-diaminopimelic acid in *E. coli* prep. (Rus))

(AMINO ACIDS, metab.

2,6-diaminopimelic acid, transamination reaction with α -ketoglutaric & oxalacetic acids in *E. coli* prep. (Rus))

(ESCHERICHIA COLI,

transamination reaction between 2,6-diaminopimelic acid & α -ketoglutaric & oxalacetic acids in *E. coli* prep. (Rus))

LERMAN, M.I.; MAYMIND, V.I.

Synthesis of D,L-aspartic-4-C¹⁴ acid. Vop.med.khim. 6 no.2:203-205
(MIRA 14:5)
Mr-Ap '60.

1. Chair of Biochemistry of the First Moscow Medical Institute,
and Institute of Biological and Medical Chemistry of the U.S.S.R.
Academy of Medical Sciences.
(ASPARTIC ACID)

Lerman, M.I.

Enzymatic synthesis of glycine from glyoxylic acid and glutamine-N15. Vop.med.khim. 6 no.5:513-516 S-0 '60. (MIRA 14:1)

1. Chair of Biochemistry, First I.M. Sechenov Medical Institute, Moscow.

(GLYCINE)

(GLUTAMINE)

(ACETATES)

MAYMIND, V.I.; LERMAN, M.I.; NYMYAN, L.A.

Simple method for measuring the radioactivity of compounds
labeled with C¹⁴. Zhur.anal.khim. 15 no.3:371-373
(MIRA 13:7)
My-Je '60.

1. Institute of Biological and Medical Chemistry, Academy of
Medical Sciences of the U.S.S.R., Moscow.
(Carbon—Isotopes)
(Radioactivity—Measurement)

LERMAN, M.I.; MARDASHEV, S.R.

Synthesis of β -amide of $4\text{-C}^{14}\text{-}\alpha\text{-ketosuccinic acid}$. Biokhimiia
25 no.4:701-704 J1-Ag '60. (MIRA 13:11)

1. Chair of Biochemistry, the 1st Medical Institute, Moscow.
(AMIDES) (OXALACETIC ACID)

LERMAN, M.I.; MARDASHEV, S.R.

Studying the biosynthesis of asparagine by the use of labelled
precursors. Biokhimiia 25 no.5:946-953 S-O '60. (MIRA 14:1)

1. Chair of Biochemistry, First Medical Institute, Moscow.
(ASPARAGINE)

BEREZOV, T.T.; LERMAN, M.I. (Moskva)

α, Σ -diaminopimelic acid; a new natural amino acid. Usp. scvr.
biol. 51 no. 3: 285-298 My-Je '61. (MIRA 14:5)
(HEPTANEDIOIC ACID)

LERMAN, M.I.; MARDASHEV, S.R.

Enzymatic exchange of ammonia and the amide group of α -Keto succinamic acid. Dokl.AN SSSR 134 no.2:460-462 S '60.
(MIRA 13:9)

1. Pervyy Moskovskiy meditsinskiy institut im. I.M.Sechenova.
2. Deystvitel'nyy chlen AMN SSSR (for Mardashev).
(SUCCINAMIC ACID) (AMMONIA) (AMIDASES)

LERMAN, M. I.

Cand Biol Sci - (diss) "Study of the biosynthesis of asparagin from 'tagged' precursors in the animal organism." Moscow, 1961. 18 pp; (Academy of Medical Sciences USSR, Inst of Biological and Medical Chemistry); 250 copies; price not given; (KL, 5-61 sup, 184)

SYUY-TIN-SEN' [Hse T'ing-sen]; LERMAN, M. I.

Transamination between the amides of α -amino- and α -ketocarboxylic acids. Dokl. AN SSSR 137 no.1:217-219 Mr-Apr '61. (MIRA 14:2)

1. Institut biologicheskoy i meditsinskoy khimii Akademii meditsinskikh nauk SSSR. Predstavlenye akademikom A.I. Oparinym.
(Transaminases)

GALEGOV, G.A.; LERMAN, M.I.

Transamination of β -substituted aspartic acid by aspartate-glutamate - transaminase preparation. Dokl. AN SSSR 140 no.2:479-481 '61.
(MIRA 14:9)

1. Institut biologicheskoy i meditsinskoy khimii Akademii
meditsinskikh nauk SSSR i Pervyy Moskovskiy meditsinskiy institut
im. I.M.Sechenova. Predstavлено akademikom A.I.Oparinym.
(ASPARTIC ACID) (TRANSAMINASES)

MARDASHEV, S.R.; LERMAN, M.I.; BENYUMOVICH, M.S.

Glutamine transaminase in brain preparations and in cells of
a strain of a differentiated human astrocytoma. Vop. med. khim.
8 no.5:547 - 549 S-0'62 (MIRA 17:4)

1. Kafedra biokhimii Moskovskogo ordena Lenina meditsinskogo
instituta imeni I.M.Sechenova i laboratoriya kul'tivirovaniya
tkaney Instituta eksperimental'noy i klinicheskoy onkologii
AMN SSSR, Moskva.

LERMAN, M.I.; VEREVKINA, I.V.

Inhibition of asparaginase from guinea pig blood serum. Biokhimiia
27 no.3:526-531 My-Je '62. (MIRA 15:8)

1. Chair of Biochemistry, First Medical Institute and Institute of
Biological and Medical Chemistry, Academy of Medical Sciences of
the U.S.S.R., Moscow.

(ASPARAGINASE)

IFRIM, A.I.; MARDASHOV, I.A.

Transamination of dicarboxylic amino acid analogs in myocardial preparations. Vop. med. khim. & no. 123-4, p. 31-34. (USSR 1971)

I. Katedra biokhimi i biofiziki, Organika Lenin'skogo
Instituta imeni Lenina.

LERMAN, M.I.; MANT'YEVA, V.L.; GEORGIYEV, G.P.

Biosynthesis of ribosome ribonucleic acid. Dokl. AN SSSR. 152
no. 3:744-747 S '63. (MIRA 16:12)

1. Institut morfologii zhivotnykh im. A.N.Severtsova AN SSSR
i Institut biologicheskoy i meditsinskoy khimii AMN SSSR.
Predstavлено akademikom A.N.Belozerskim.

*

LERMAN, M. I.

Nature of ribonucleic acid in nucleoli and residual chromosomes.
Dokl. AN SSSR 155 no. 4:950-952 Ap '64. (MIRA 17:5)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR.
Predstavлено академиком V.A.Engel'gardtom.

GEORGYEV, G.P.; LERMAN, M.I.

Metabolic heterogeneity of messenger RNA from Ehrlich ascitic
cancer cells. Vop. med. khim. 9 no.2: 8-20. Krasnodar 1983.
(MIR 17:8)

1. Institut morfologii chivotnykh imeni A.N. Severtsova AN
SSSR i Institut biologicheskoy i meditsinskoy khimii AMN SSSR,
Moskva.

VEREVKINA, I.V.; GORKIN, V.Z.; GRIDNEVA, L.I.; LEPTAN, M.I.; ROMANOVA, L.A.
KHODERA, A. [Chodera, A.] (Pol'sha)

Inhibition of the activity of mitochondrial amine oxidases
by some tricyclic compounds. Dokl. AN SSSR 157 no. 1:191-193
(MIRA 17:8)
J1 '64

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR.
Predstavлено академиком А.И. Опарином.

LERMAN, M.I.; MANT'YEVA, V.L.; GEORGIYEV, G.P.

Biosynthesis of ribosomal RNA in the nucleolus (nucleonemal)
apparatus of the cell). Biokhimia 29 no.5:518-528 My-Je '64.
(MIRA 18:4)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR i Institut
morfologii zhivotnykh imeni Severtsova AN SSSR, Moskva.

LERMAN, M.I.; VLADIMIRTSEVA, Ye.A.; TERSKIKH, V.V.; GEOEGIYEV, G.P.

Nature of newly formed RNA of animal cell. Biokhimiia 30 no.2:375-387
Mr-Ap '65. (MIRA 18:7)

1. Institut biologicheskoy i meditsinskoy khimii i Institut virusologii
AMN SSR i Institut radiataionnoy i fiziko-khimicheskoy biologii AN SSSR,
Moskva.

TERSKIKH, V.V.; LERMAN, M.I.; GEORGIYEV, G.P.

Interrelationship between synthesis and transfer of RNA in a
cell. Dokl. AN SSSR 164 no.1:208-211 S '65. (MERA 16:9)

1. Institut molekulyarnoy biologii AN SSSR i Institut
biologicheskoy i meditsinskoy khimii AMN SSSR. Submitted
October 13, 1964.

SAMARINA, O.P.; LERMAN, M.I.; TUMANYAN, V.D.; ANAN'YEVA, L.N.; GIORGIYEV, G.P.

Characteristics of chromosomal informational RNA. Biokhimia
30 no.4:880-893 Jl-Ag '65. (MIRA 18:8)

1. Institut radiatsionnoy i fiziko-khimicheskoy biologii AN
SSSR, Moskva.

LERMAN, M.I.; BENYUMOVICH, M.S.

Effect of mitomycin C, actinomycin C and puromycin on protein synthesis in cellular strains obtained from human tumors. Dokl. AN SSSR 162 no.4:956-959 Je '65. (MIRA 18:5)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR i Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR.
Submitted July 6, 1964.

PERTSOVSKIY, Ye.; GORBUNOV, B.; LERMAN, N.

Device based on ionizing radiation for measuring roll opening.
Muk.-elev. prom. 23 no.6:31-32 Je '57. (MIRA 10:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zerna i produktov
yego pererabotki.
(Grain milling machinery) (Radiation--Industrial application)

LERMAN, N.D.

LERNER, N.D.

PHASE I BOOK EXPLOITATION SCV/5410

Tashkentskaya konferentsiya po mirnomu ispol'zovaniyu atomnoy energii. Tashkent, 1959.

Trudy (Transactions of the Tashkent Conference on the Peaceful Uses of Atomic Energy) v. 2. Tashkent, Izd-vo AN UzSSR, 1960.
449 p. Errata slip inserted. 1,500 copies printed.

Sponsoring Agency: Akademiya nauk Uzbekskoy SSR.

Responsible Ed.: S. V. Starodubtsev, Academician, Academy of Sciences Uzbek SSR. Editorial Board: A. A. Abdullaev, Candidate of Physics and Mathematics; D. M. Akhmedov, Doctor of Medical Sciences; U. A. Arifov, Academician, Academy of Sciences Uzbek SSR; A. A. Borodulina, Candidate of Biological Sciences, V. N. Ivashev; G. S. Imranova; A. Ye. Kiv; Ye. N. Lisenko, Candidate of Physics and Mathematics; A. I. Nikolayev, Candidate of Medical Sciences; D. Hishanov, Candidate of Chemical Sciences; A. S. Sadykov, Corresponding Member, Academy of Sciences Uzbek SSR; Yu. N. Talamin, USSR, Academician, Academy of Sciences Uzbek SSR.

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Transactions of the Tashkent (Cont.)

SCV/5410

Candidate of Physics and Mathematics; Ya. Kh. Turakulov, Doctor of Biological Sciences. Ed.: R. I. Khamidov; Tech. Ed.: A. G. Babakhanova.

PURPOSE: The publication is intended for scientific workers and specialists employed in enterprises where radioactive isotopes and nuclear radiation are used for research in chemical, geological, and technological fields.

COVERAGE: This collection of 133 articles represents the second volume of the Transactions of the Tashkent Conference on the Peaceful Uses of Atomic Energy. The individual articles deal with a wide range of problems in the field of nuclear radiation, including: prediction and chemical analysis of radioactive isotopes; investigation of the kinetics of chemical reactions by means of isotopes; application of spectral analysis for the manufacturing of radioactive preparations, radioactive methods for determining the content of elements in the rocks; and an analysis of methods for obtaining pure substances. Certain

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Transactions of the Tashkent (Cont.) SOV/5410
instruments used, such as automatic regulators, flowmeters,
level gauges, and high-sensitivity gamma-relays, are described.
No personalities are mentioned. References follow individual
articles.

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RADIOACTIVE ISOTOPES AND NUCLEAR RADIATION
IN ENGINEERING AND GEOLOGY

Lobanov, Ye. N. [Institut yadernoy fiziki UzSSR - Institute of Nuclear Physics AS UzSSR]. Application of Radioactive Isotopes and Nuclear Radiation in Uzbekistan 7

Taksaar, I. N., and V. A. Yanushkovskiy [Institut fiziki AN Latv SSR - Institute of Physics AS Latvian SSR]. Problems of the Typification of Automatic-Control Apparatus Based on the Use of Radioactive Isotopes 9

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: Transactions of the Tashkent (Cont.)

SOV/5410

Pertsevskiy, Ye. S., and M. D. Lerman [Vsesoyuznyy nauchno-
issledovatel'skiy institut zerna - All-Union Scientific Re-
search Institute of Grain]. Gamma-Ray Level Gages for Flour
Mills and Combined Fodder Plants.

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Abramzon, I. G., and L. Z. Nurmahan [Gosudarstvennyy inisti-
tut po proyektirovaniyu predpriyatiy tuchentnoy proizvodstvennosti
i nauchno-issledovatel'skim i eksperimental'nym rabotam v
oblasti preizvodstva tsamenta - State Institute for the Design
and Planning of Establishments of the Cement Industry and Sci-
entific Research and Experimental Work in the Field of Cement
Production]. A Possible Continuous Remote Control of Slime
Level in Slime Pits by Means of a Gamma-Relay System

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Izypun'kaya, D. I., R. A. Ruzyanov, and V. I. Drynkin [Insti-
tute of Geology and Production of Mineral Fuels AS USSR]. Ap-
plication of Neutron Activation Analysis in Geology

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Lopovok, T. A. [Institute of Geology and Production of Min-
eral Fuels AS USSR]. Neutron Breeder for Activation Analysis

Card 13/20

AUTHOR: Lerman, R. SOV/29-58-2-9/23

TITLE: Concrete on Rolling Mills (Beton cherez prokatnyy stan)

PERIODICAL: Tekhnika molodezhi, 1958, Nr 8, pp. 12-14 (USSR)

ABSTRACT: This article contains a report on the activities of M. Ya. Kozlov who made valuable inventions in the field of the production of concrete. The production of concrete elements to be assembled is very expensive even if they are manufactured by the assembly line method. The individual parts have a very rough surface and inaccurate measurements, which renders house-building very difficult. It is known that concrete, like metal, is now being cast in molds. M. Ya. Kozlov decided to work concrete, also like metal, on special rolling mills, and in this way he succeeded in producing single elements, the production of which is much less expensive, which had an ideally smooth surface, and which were as exact as machine parts. The first reinforced concrete construction composed of individual parts, the so-called GIS-plate, which is exceedingly small compared to the building elements now in use, was produced in the USSR. This plate was the object of much ridicule in the USA , for it was said that the Russians had invented this plate

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because of the scarcity of metal. Today, however, when concrete is for the first time in the world being rolled at the testing plant of Glavmosstroy, there is no more laughter. The rolled plates are of an entirely new construction. The plate has a thickness of 10 to 40 mm and has ribs which are 60 mm high with a spacing of 30 mm. A complete wall plate consisting of 2 ribbed plate shells (plita-skorlupa) is covered with a coat of paint on the spot. Its dimensions are 6 x 3 m. Kozlov tells, how together with Engineer Bol'shakov, he built a rolling mill for continuous rolling of gypsum-concrete. Last year such a rolling train was used for the rolling of large-sized walls for rooms. Originally, several scientists were rather sceptical about the production of such walls, which they described as being an outcome of megalomania. Meanwhile, however, such walls have been used in numerous buildings erected in Moscow. At present more than 40 plants for the production of these plates are being built at various Sovnarkhozes. In order to improve production it was necessary to find a new method of hardening the reinforced concrete products. In this Kozlov and his collaborators were fully successful. The

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enthusiastic adherents of the rolling method dream of assembling a house with machine-like precision. They are convinced that it will be possible to erect a house of several storeys from rolled building elements within 10 or 15 days. This means that all Soviet citizens will be having good flats within less than 10 years. Kozlov has a few hundred collaborators, who are construction engineers, draftsmen, and machine-building engineers. A special construction office is occupied with drafting plans for industrial rolling mills, and Mosstroyekt is working out several various constructions of 5- and 8-storey houses made from rolled parts. The method of rolling reinforced concrete is the dernier cri in the development of this building material. There is ! figure.

1. Concrete--Production
2. Rolling mills--Performance
3. Reinforced concrete--Production

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TRIFONOV, V.; LERMAN, R.

Large-panel construction in France. Stroitel' no.10:28 0 '61.
(MIRA 14:11)

(France--Precast concrete construction)

LERMAN, R.

Competition of materials. Na stroi.Ros. 6 no.2:26 F '65.
(MIRA 19:1)

CA

LELMAN, R. I.

Effect of the volume sorption of vapors on the solubility temperature of polymers. S. N. Zhurkov and R. I. Lelman-(Acad. Sci., Leningrad). *Compt. rend. acad. sci. U.R.S.S.* 67, 105 9; *Doklady Akad. Nauk S.S.R.* 67, 102-12(1943).-Polymers exhibit a fairly narrow temp. range of solubilization, within which the hardness decreases rapidly with increasing temp. Characteristic S-shaped curves were obtained by plotting the log of the high elastic modulus K_{∞} , temp. When the polymers are swollen in the vapors of org. solvents they give identically shaped log K_{∞} , temp. curves, but at a lower temp. It is found for 4 polymers, *butadiene-acrylonitrile* (I), *poly-methylacrylate* (II), *butylene rubber* (III), and *polybutylene* (IV), that the lowering in temp. of solubilization ΔT after swelling with any of 30 different solvents is a linear function of the no. of sorbed mol. wt. a . The relation $\Delta T = b$ holds strictly for I and II, b being the same for a no. of polar solvents; with III and IV, b varies with the solvent. The phenomena are regarded as prototypes of the action of plasticizers. The change in properties induced in I and II by polar solvents is due to the interaction of the solvent with the functional groups of the polymer; one mol. of solvent interacts with only 1 group. With III and IV, the solvent mol. interacts with the polymer at several undefined points, and the effectiveness increases with mol. size. George Gorin

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AIAA-METALLURGICAL LITERATURE CLASSIFICATION

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1. SKAZKIN, F. D., LERMAN, R. I.
2. USSR 600
4. Soil Moisture; Grain
7. Effect of lack of water in the soil upon vernalized and non-vernalized grain during different developmental stages. Dokl. AN SSSR 84, No. 3, 1952.
Yestestvenno-Nauchnyy Institut im. P. F. Lesgafta Akademii Pedagogicheskikh "auk RSFSR Leningrad Rcd. 4 March 1952.
9. Monthly List of Russian Accessions, Library of Congress, September 1952.
UNCLASSIFIED.

LERMAN R I

I-2

USSR/Physiology of Plants - Respiration and Metabolism.

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10367

Author : Lerman, R.I.

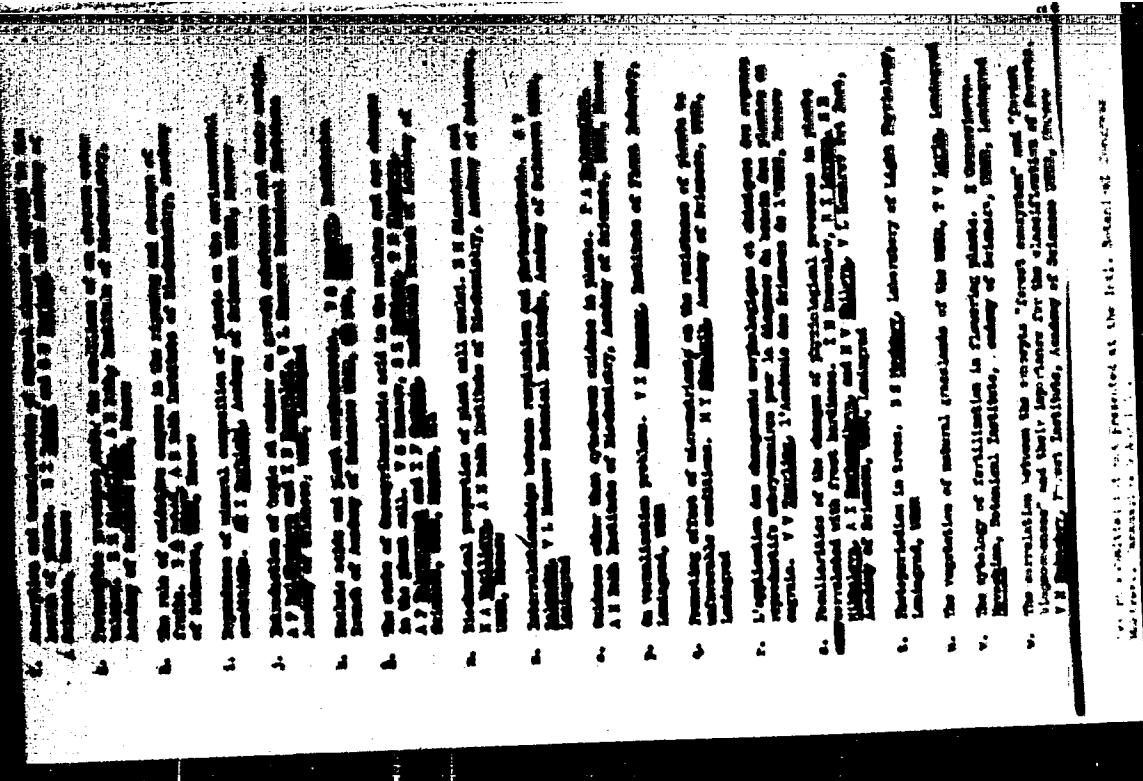
Inst : Institute imeni Lesgaft (Leningrad)

Title : The Effect of High Level of Soil Moisture on Carbohydrate Metabolism in Barley.

Orig Pub : Dokl. Akad. Nauk SSSR, 1956, 108, No 6, 1191-1193

Abstract : Viner barley was grown under conditions of excessive soil moisture (120% of total soil moisture capacity) during the vernalization stage, the flowering stage, the ear-forming phase, and the phase of milk ripeness. The control plants were grown in soil with moisture at 70% of capacity throughout the whole vegetation period. When the soil moisture was excessive, the glucose and saccharose content of the barley leaves declined sharply; this the author explains

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LERMAN, R.I.; SKAZKIN, F.D.

Effect of high soil moisture on the growth and development of
barley. Uch. zap. Ped. inst. Gerts. 178:3-10 '59. (MIRA 14:?)
(Plants, Effect of soil moisture on) (Barley)

KONOVALOV, I.N.; LERMAN, R.I.; MIKHALEVA, Ye.N.; SHILOVA, N.V.

Characteristics of changes in the physiological processes of plants
as related to their adaptation to new environmental conditions
[with summary in English]. Trudy Bot. inst. Ser.4 no.14:7-53 '60.

(MIRA 14:3)

(Botany—Ecology)(Plant physiology) (Leningrad Province—Walnut)

KONOVALOV, I.N.; LERMAN, R.I.; MIKHALEVA, Ye.N.; SMETANNIKOVA, A.I.

Changes of physiological processes in plants in the course of
their introduction as related to their frost resistance. Trudy
Bot. inst. Ser. 4 no.15:68-83 '62. (MIRA 15:7)
(Plants--Frost resistance) (Plant introduction)

LERMAN, R.I.

Effect of various soil moisture contents on some physiological processes in spring cereals. Trudy Bot. inst. Ser. 4 no.16:
130-141 '63. (MIRA 17:2)

LERMAN, R.I.; SKAZKIN, F.D.

Nitrogen metabolism in barley under various moisture conditions. (MIRA 17/02)
Uch.zap.Ped.inst.Gerts. 249:303-310 '63.

l. Leningradskiy gosudarstvennyy pedagogicheskiy institut imeni A.I.
Gertsena, Kafedra botaniki.

LERMAN, R. I.

"The Effect of Calcium Chloride, Pyramidon, and Vitamin C on the Comprehensive Treatment of Tubercular Patients." Cand Med Sci, Khar'kov Medical Inst, Khar'kov, 1954. (KL, No 3, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

KHMELOVITSKIY, B.M., professor; BUNINA, B.Z.; PINSKAYA, R.M.; LERMAN, R.I.;
ORLOVA, Z.M.; ZAYKO, A.P.

Treatment of early forms of tuberculosis. Probl.tub. 34 no.4:23-28
Jl-Ag '56. (MLRA 9:11)

1. Iz Ukrainskogo Instituta tuberkuleza i kafedr tuberkuleza
Meditinskogo instituta i Instituta usovershenstvovaniya vrachey
v Khar'kove.
(TUBERCULOSIS, PULMONARY, ther.
in early develop.)

JASPER P.F.

LERMAN, R.I.; KUZNETSOVA, Z.M.

~~Effectiveness of the method of conducting compound tuberculosis checkups for working adolescents and youths. Sov.med. 21 Supplement: 10-11 '57.~~

(MIRA 11:2)

1. Iz Khar'kovskogo instituta tuberkuleza.
(TUBERCULOSIS--DIAGNOSIS)

MEVE, Ye. B., kand. med. nauk.; LERMAN, R.I., kand. med. nauk.

Detection of primary tuberculosis in young subjects. Sov. med. 23 no.3:
131-138 Mr '59. (MIRA 12:4)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta tuberkuleza v
Khar'kove (dir. - dots. N.M. Yanov).
(TUBERCULOSIS, PULMONARY, diagnosis,
primary complex in adolescents & young adults (Rus))

LERMAN, S.

Soviet objectives with a long focal length. Sov.foto 17 no.1:37-38
Ja '57. (MIRA 10:7)
(Cameras--Equipment and supplies)

LURMAN, S., inshener.

Synchronization of a flashbulb. Sov. foto 17 no.3:43-48 Mr '57.
(Photography, Flash-light--Apparatus and supplies)(MIRA 10:6)

LERNER, B.

Perspective image in photography. Sov. foto 19 no.5:52-56
My '59.
(Photography)

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LERMAN, S.

First cameras manufactured during the seven-year plan. Sov.
foto 20 no.1:32-33 Ja '60. (MIRA 13:5)
(Cameras)

LERMAN, S., inzh.

Miniature reflex camera. Sov.foto 21 no.5:38-39 My '61.

(Single-lens reflex cameras)

(MIRA 14:5)

LERMAN, S., gorn.insh.-gidrogeolog

New apparatus for flushing artesian wells and filters. Sil'.
bud. 10 no.5:23 My '60. (MIRA 13:?)

1. Ukrainskiy respublikanskiy spetsializirovanny trest
"Ukrasel'spetsstroy" Ministerstva sel'skogo khozyaystva USSR.
(Artesian wells) (Filters and filtration)

LERMAN, S., gornyy inzh.-gidrogeolog

Using asbestos-cement pipes in casing water wells. Sil'.bul.
10 no.2:24 F '60. (MIRA 13:5)
(Wells) (Pipe, Asbestos-cement)

LIEVAN, S. N., inzh.

Operation of the pumping machinery of drill wells. Mekh. sil'. hosp.
11 no.11;22-24 N '60. (MIRA 13:11)
(Pumping machinery)

LERMAN, S., inzh.

Using asbestos-cement instead of metal pipes. Sil'. bud.
ll no. 2:ll-12 F '61. (MIRA 14:2)
(Pipe, Asbestos-cement)

LERMAN, S., inzh.

How to set up a very simple driven well. Sil'. bud. 11
no.8:19 Ag '61. (MIRA 14:9)
(Wells)

LERMAN, S., gornyy inzh.-gidrogeolog

Device for lowering asbestos-cement pipes into a bore hole.
Sib'.bud. 12 no.2:12 F '62. (MIRA 15:8)

1. Trest "Ukradgospetsbud".
(Pipe, Asbestos-cement)

LERMAN, S., inzh.

Water pipelines made of thin-walled flat-rolled steel pipe.
Sil'.bud. 12 no.6:20 Je '62. (MIRA 15:8)
(Pipe, Steel) (Water pipes)

LERMAN, S., inzh.

Strengthening boreholes with asbestos-cement pipes. Sil'. bud. 13
no.5:10-11 My '63. (MIRA 17:3)

LEPERMAN, V.I. (Minsk)

Serial angiography and its importance in neurological and neuro-surgical clinical practice. Vop.neirokhir. no.5:23-30 '61.

(MIRA 14:11)

1. Neyrokhirurgicheskaya otdelemye Belorusskogo nauchno-issledovatel'skogo instituta nevrologii, neyrokhirurgii i fizioterapii.
(ANGIOGRAPHY) (NEUROLOGY) (NERVOUS SYSTEM-SURGERY)

LERMAN, V. I.

Spinal deformation in tumors of the spinal cord and in extradural cysts in adolescence. Ortop., travm. i protez. 17 no.2:54-56 Mr-Ap '56. (MLRA 9:8)

1. Iz neyrokhirurgicheskogo otdeleniya Belorusskogo nauchno-issledovatel'skogo instituta nervologii, neyrokhirurgii i fizioterapii (dir. starshiy nauchnyy sotrudnik Ye.P.Kalitovskiy, nauchnyy rukovoditel' deystvitel'nyy chlen Akademii nauk BSSR professor D.A.Markov)

(SPINAL CORD, neoplasms, causing spinal deformations in adolescents (Rus))

(SPINAL CORD, cysts, extradural, causing spinal deformation in adolescents (Rus))

(ADOLESCENCE, diseases, cysts & tumors of spinal cord causing spinal deformations (Rus))

(CYSTS, spinal extradural, causing spinal deformations in adolescents (Rus))

LERMAN, V.I.,; ZLOTNIK, Ye.I.

Internal hydrocephalus in paraventricular tumors. Zhur. nevr. i
psikh. 56 no.3:253-256 ' 56 (MLRA 9:7)

1. Neyrokhirurgicheskoye otdeleniye Instituta nevrologii
neyrokhirurgii i fizioterapii Ministerstva zdravookhraneniya SSSR.
(BRAIN, neoplasms,
with hydrocephalus (Rus))
(HYDROCEPHALUS, etiology and pathogenesis,
tumors (Rus))

LETNIK, V.I.

ZLOTNIK, E.I.; LERMAN, V.I.

Artificial arterial hypotension in brain surgery. Vopr. neirokhir.
21 no.2:6-10 Mr-Ap '57 (MLRA 10:5)

1. Belorusskiy gosudarstvennyy nauchno-issledovatel'skiy institut
nevrologii, neurokhirurgii i fizioterapii.

(BRAIN, surg.

controlled hypotension)

(HYPOTENSION, CONTROLLED

in surg. of brain)

LERNER, V. L.

Clinical aspects and surgical treatment of arachnoid cysts of the
cisterna magna and vermis cerebelli regions [with summary in French]
Zhur. nevr. i psikh. 58 no.5:517-520 '58 (MERA 11:7)

1. Neyrokhirurgicheskoye otdeleniya Belorusskogo nauchno-issledovatel'skogo instituta nevrologii, neyrokhirurgii i fizioterapii (nauchnyy rukovoditel' - akademik D.A. Markov, dir. Ye.P. Kalitovskiy), Minsk.
(ARACHNOID, cysts, cisterna magna & vermis cerebelli regions (Rus))

LERMAN, V.I.; ZLOTHIK, E.I. (Minsk)

Arterial pressure in the cerebral cortex in hypotension induced
by ganglion-blocking agents. Vop.neirokhir. 23 no.3:7-10
By-Je '59. (MIRA 12:8)

1. Neyrokhirurgicheskoye otdeleniye Belorusskogo gosudar-
stvennogo instituta nevrologii, neyrokhirurgii i fizioterapii.
(HYPOTENSION, CONTROLLED, eff.
cerebrocortical blood pressure (Rus))
(CEREBRAL CORTEX, blood supply,
pressure in controlled hypotension (Rus))

LERMAN, V.I., kand.med.nauk (Minsk)

Hypersecretory crisis following removal of intra- and paraventricular tumors of the brain. Vop.neirokhir. 23 no.5:28-30 S-O '59.

(MIRA 12:11)

1. Neyrokhirurgicheskoye otdeleniye Belorusskogo gosudarstvennogo instituta nevrologii, neyrokhirurgii i fizioterapii.
(BRAIN neoplasms)
(HYDROCEPHALUS etiol.)

ZLOTNIK, E.I.; LERMAN, V.I....

Clinical aspects and surgical therapy of thrombosis of the internal carotid artery. Zhur.nevr. i psikh. 59 no.8:907-911 '59.

(MIRA 12:12)

1. Neyrokhirurgicheskoye otdeleniye Belorusskogo instituta nevrologii, neyrokhirurgii i fizioterapii (nauchnyy rukovoditel' - prof. D.A. Markov, dir. Ye.F. Kalitovskiy).

(CAROTID ARTERIES dis.)

(THROMBOSIS)

ZLOTNIK, Ye.I.; LERMAN, V.I.

Pressure changes in the internal carotid artery in occlusion of
the carotid vessels. Vop.neirokhir. 24 no.1:11-14 Ja-F '60.

(MIRA 13:10)

(CAROTID ARTERIES)

LERMAN, V.I. (Minsk)

Cerebral circulation in intracranial hypertension and edema. Vop.
neirokhir. 24 no.6:24-29 N-D '60. (MIRA 14:1)

1. Neyrokhirurgicheskoye otdeleniye Belorusskogo gosudarstvennogo
nauchno-issledovatel'skogo instituta nevrologii i fizioterapii.
(BRAIN--TUMORS) (BRAIN--BLOOD VESSELS)

GINZBURG, S.Ye.; ZLOTNIK, Ye.I.; LERMAN, V.I.

Electroencephalographic and electrocardiographic studies during controlled arterial hypotension induced by administration of ganglionic-blocking agents. Eksp.khir.i anest. 6 no.3:26-30
'61. (MIRA 14:10)

(ELECTROENCEPHALOGRAPHY) (ELECTROCARDIOGRAPHY)
(HYPOTENSION) (AUTONOMIC DRUGS)

LERMAN, V.I.

Clinical aspects and surgical treatment of colloid cysts of the
third ventricle. Zhur. nevr. i psikh. 61 no.4:513-516 '61.

(MIRA 14:7)

1. Neyrokhirurgicheskoye otdeleniye Belorusskogo nauchno-issledovatel'-
skogo instituta nevrologii, neyrokhirurgii i fizioterapii (nauchnyy
rukovoditel' - akademik AN BSSR D.A. Markov, direktor Ye.F. Kalitovskiy),
Minsk.

(BRAIN--TUMORS) (CYSTS)